

## AMENDMENTS

### In the specification:

Please amend the abstract paragraph appearing on page 1 of the application with the following paragraph:

The invention relates to a method for inputting an information signal into a power cable which is connected to a voltage supply and which ~~comprises includes~~ at least one or more conductors, a dielectric provided around the conductors and a conductive earth sheath arranged wholly or partially around the dielectric, the method ~~comprising of including~~ inputting a pulse-like information signal at a first position via the earth sheath in order to produce a corresponding pulse-like information signal which is propagated to a second position in the dielectric of the power cable.

Please amend the paragraph beginning on page 9, line 20, ending on page 9, line 34 with the following paragraph:

FIG. 4 shows a further embodiment. In addition to earth wire 7 an additional (second, third, and so on) earth wire 9 is applied. When coil SP is now positioned around earth wire 7 a circuit is created via earth wire 9 (dashed line) since the impedance of the components such as mains component 10 is usually greater than the impedance of the current path via earth wire 9. In order to still produce a sufficiently large voltage pulse over the dielectric, the right-hand circuit can be interrupted by opening it. It is also possible to arrange impedance-increasing elements 20[[11]], preferably in the form of one or more ferrite cores. These have the result that the current pulse injected into earth wire 7 produces a high voltage pulse in power cable 1 via line 12 such that it can be measured at the other end.